F92

INTRODUCTION TO MATH 120

This course is divided into 10 separate units called modules. The instructions are given in the modules along with several examples and exercises. Study the instructions and work through the example before starting the exercises. The answers for the exercises are given at the end of the module. Check your work often. The key to success in working with modules is to ask questions whenever you have difficulty understanding the instructions, the examples or the exercises. Do not hesitate to ask for help. After each module, you must write a post-test. A passing mark of 60% is required on the post-test before continuing on to the next module. Students unable to attain this mark, must review the material and rewrite the test. However, only the first mark will count towards the final grade. Half way through the semester, all students will be required to write a midterm on a prescribed date which will cover the first five modules. Upon the completion of all modules, you will write a final exam for which the pass mark is 50%. Attached is the recommended test dates for each module as well as the compulsory date for the midterm.

You will find a calculator with the following functions helpful in this course:

$$EE,\ \sqrt{x},\ \cos,\ \sin,\ \tan,\ y^x,\ \pi,$$

The final grade will be determined as follows:

Module Tests	30%
Midterm	20%
Final Exam	50%

MATH 0120
FALL SEMESTER 1992

		Recommended Time/ Test Date
Module 1	Review - signed numbers; order of operation; fractions; operations on polynomials; equations and inequalities; number line graphs	1 Week Sept. 9
Module 2	Rational Expressions - nonpermissible values; simplifying; four basic operations; equations	1.5 Weeks Sept. 21
Module 3	Exponents and Radicals - rational exponents; four basic operations on exponents and radicals; solving radical equations	1.5 Weeks Sept 30
Module 4	Systems of Equations and Inequalities - solving systems of equations by graphing, substitution, and elimination; solving systems of inequalities	1.5 Weeks Oct. 13
Module 5	Probability - theoretical probability; dependent and independent events; mutually exclusive events; multiplication and addition laws	1 Week Oct. 19
	MIDTERM (1 HOUR)	**OCT. 21**
Module 6	Relations and Functions - domain and range; functional notation; graphing; inverse functions	1.5 Weeks Oct. 30
Module 7	Quadratic Functions - graphing; completing the square; characteristics; applications	1.5 Weeks Nov. 10
Module 8	Quadratic Equations - solving by factoring and quadratic formula; nature of roots; applications	1.5 Weeks Nov. 20
Module 9	Geometry - parallel lines; similar and congruent triangles; triangle and circle geometry	1 Week Nov. 27
Module 10	Trigonometry - special triangles; angles on a coordinate system; trigonometric ratios; solving right triangles; Sine and Cosine Laws	1.5 Weeks Dec. 9
	FINAL EXAM (3 HOURS)	**T.B.A.**